



347281

MEMORANDUM

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1198010003--Madison
Chemetco, Inc.
ILD048843009
FOS

Date: September 27, 1996

To: Bureau of Water - FOS/RU

From: Nick Mahlandt, BOW-Collinsville

Subject: Madison County - CHEMETCO

The attached inspection report was prepared following the September 18th multi-media visit to the subject industrial facility. A copy of the report, including its attachments, is being transmitted by this memo to the BOL for inclusion in their report and their subsequent referral for a Violation Notice letter.

Due to the legibility of the fax received on the 23rd from the ARDL laboratory, Mr. Dan Gillespie was contacted today and the water results were clarified. It is my understanding that the original of the report sheet is being sent to the BOL at the central office.

Nick Mahlandt

.nm

cc: BOW-Collinsville
cc: BOL-Collinsville
cc: Tim Kluge-BOW FOS
cc: Bruce Carlson-DLC
cc: Ken Rodgers-BOW-CAS

SCREENED
MM

MEMORANDUM

Madison County - Chemetco, Inc.
Permit IL0025747
Zinc Oxide Discharge

To: Bureau of Water - FOS/RU

From: Nick Mahlandt, BOW-Collinsville

Date: September 18, 1996

Interviewed: Greg Cotter, Environmental Manager

On the above date, Chris Cahonsky, BOL, informed the writer that he had earlier been to the Chemetco facility and had found a pipe discharging a grayish colored water to a nearby drainage ditch. He asked if their NPDES covered such a discharge. He was informed that the permit is for stormwater and no point sources are covered by the permit. We agreed to visit and sample the site, and that afternoon I accompanied Mr. Cahonsky and several other BOL personnel to the Chemetco facility.

The pipe in question runs to the south, generally perpendicular to Oldenberg Road. This is between the truck parking area to the west and the road to the 002 outfall on the east. The pipe appeared to be a 10 inch line and it was discharging to a drainage ditch, which also runs in a southerly direction. From near Oldenberg Road to the outfall, the pipe run was covered with a mound of what appeared to be coal fines. This distance was approximately 125 feet. In the ditch below the outfall, several lengths of partially jointed PVC pipe were noted laid in the ditch bed. The ditch had a grayish bottom deposit, and these deposits fanned out into a low area approximately 200 feet below the outfall. The vegetation in this low area, small trees and scrub, was dead.

Mr. Cotter was asked where the flow was coming from and how long the pipe had been there. He stated that he did not know, but he would look into it.

The discharge was sampled just below the outfall, as the pipe was partially submerged, and the flow was estimated to be in the 1 to 2 gpm range. The flow was a turbid gray color and no other inflow sources were noted along the ditch. Mr. Cahnosky reported that the pipe was flowing full and was submerged during his earlier visit. The high water mark and the gray staining of the bank indicated that such a flow had occurred. My sample, and the subsequent soil samples collected by the BOL personnel, were sent by BOL to the ARDL laboratory, Mt. Vernon. Attached is a copy of the analysis results (two pages).

RECEIVED

OCT 21 1996

The next day Mr. Cotter reported this matter to IEMA as a leak/spill of 50 cubic yards of zinc oxide slurry. Attached is a copy of that #961732 report. From the dead vegetation, it was obvious that this discharge has been going on for an extended period of time. The dead trees were not leafed out, so they had been dead prior to this past growing season. Adjacent trees and brush, not in the flow line, appeared healthy.

The Chemetco plant's storm water runoff is covered by the IL0025747 permit as Outfall 002, and Special Condition 2 prohibits the discharge of process wastewater. The current permit was issued on May 20, 1996, and the same condition was included in the previous permit, which was issued on July 27, 1990. Whether the discharge happened today or last spring, it was specifically prohibited by both of these permit versions. The point source discharge violates the following Act and Subtitle C sections:

1. 12(a) of the Act for allowing the discharge of contaminants to waters of the State.
2. 12(b) for operating equipment capable of causing water pollution without a permit.
3. 12(f) for discharging without a NPDES permit.
4. 302.203 of the regulations for causing bottom deposits, color, and turbidity.
5. 302.204 for causing a pH of greater than 9.0 units.
6. 302.208(e) for exceeding the water quality limits for Fe, Mn, and Zn.
7. 304.106 for having an effluent with settleable solids, color, and turbidity.
8. 304.124 for exceeding the limits for Cd, Cu, Pb, Mn, Zn, and TSS.
9. 304.125 for exceeding the pH limit of 9.0 units.
10. 304.126 for exceeding the limit for Hg.
11. 304.141(b) for discharging without a NPDES permit.
12. 309.202 for construction of a wastewater source without a permit.
13. 309.203 for operation without a permit.

Attachments

**The appearance of some of the images
following this page is due to**

Poor Quality Original Documents

and not the scanning or filming processes.

**Com Microfilm Company
(217) 525-5860**

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

30

Lab Name: ARDL, INC.

Contract No.: 2424

Lab Code: ARDL

Case No.:

SAS No.:

SDG No.:

X101

Matrix (soil/water)

WATER

Lab Sample ID:

2424-4

Level (low/med.):

LOW

Date Received:

09/19/96

* Solids:

0.0

Concentration Units: (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	89 489			P
7440-36-0	Antimony	5.0 98.0			P
7440-38-2	Arsenic	5.0 5.0	U	N	E F
7440-39-3	Barium	134 134	B		P
7440-41-7	Beryllium	5.4 5.4			P
7440-43-9	Cadmium	71 2710			P
7440-70-2	Calcium	23000 23000		E	F
7440-47-3	Chromium	9.9 9.9	B		P
7440-48-4	Cobalt	5.0 5.0	U		P
7440-50-8	Copper	2920 2920			P
7439-89-6	Iron	1550 1550			P
7439-92-1	Lead	3310 3310		E	P
7439-95-4	Magnesium	13700 13700		E	P
7439-96-5	Manganese	259 259			P
7439-97-6	Mercury	6.2 6.2			CV
7440-02-0	Nickel	69.7 69.7			P
7440-09-7	Potassium	147000 147000			P
7782-49-2	Selenium	39.8 39.8	B	N	* W F
7440-22-4	Silver	5.0 5.0	U		P
7440-23-5	Sodium	3670000 3670000			P
7440-28-0	Thallium	162 162			P
7440-62-2	Vanadium	5.0 5.0	U		P
7440-66-6	Zinc	6310 6310			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR

Texture:

Color After: COLORLESS Clarity After: CLEAR

Artifacts:

Comments:

1

INORGANIC ANALYSIS DATA SHEET

30

* Solids: 0.0

[illegible]

Comments:



Illinois Emergency Management Agency

Incident Number

9 6 1 7 3 2

Notify: ILLINOIS EMERGENCY MANAGEMENT AGENCY

1 - 800 / 782 - 7860 or 217 / 782 - 7860

FIELD REPORT

Date: 09 / 18 / 96

Time: 1012

Received by: JB

1. Caller: GREG COTTER
2. Call back phone#: 800/444-5564
3. Caller represents: CHEMETCO
4. Type of incident: ☐ Fire ☒ Leak or Spill
☐ Explosion ☐ Water Involvement
☐ Gas or Vapor cloud ☐ Other
5. Incident Location:
Street RT 3 AND OLDENBERG RD
City HARTFORD 050 ☐ In ☐ Near
County MADISON 119
Milepost ☐ RR ☐ River ☐ Highway
Sec. Twp. Range
6. Area Involved: ☐ Highway ☐ Rail ☒ Fixed Facility
☐ Waterway ☐ Air ☐ Other
7. Material (s) Involved: ZINC OXIDE SLURRY
☐ Gas ☒ Liquid ☐ Semi-Solid ☐ Solid
☐ Pesticide ☐ Radioactive
CAS #: 001314132
UN/NA #:
Is this a 302 (a) Extremely Hazardous Substance?
☐ Yes ☐ No ☐ Unknown
Is this a RCRA Hazardous Waste?
☐ Yes ☐ No ☐ Unknown
If Yes, is this a RCRA regulated facility?
☐ Yes ☐ No
8. Container: ☐ Truck ☐ RR car ☐ Drum
☐ Aboveground tank ☐ Pipeline
☐ Underground tank ☒ Other PIPING
container size: 10 INCH
9. Amount released: 50 CUBIC YDS / UNKNOWN QUANTITY
Rate of release: / min.
10. Cause of release: ASSUMED ABANDONED PIPE
11. Estimated spill extent: SEE ABOVE
☐ square feet ☐ square yards
12. ☐ Occurred Date: 09 / 18 / 96 Time: 1130
☐ Discovered Date: / / Time:
13. Emergency units contacted
☐ Fire
☐ Sheriff
☐ Police
☐ ESDA
☐ Other

14. On Scene Contact:
On Scene Phone#:
15. No. injured: ☐ Haz-mat related
Where taken:
16. Public health risks and/or precautions taken,
including # evacuated:
17. Assistance needed from State Agencies:
EPA WAS ON SITE FOR INSPECTION/SAMPLES
TAKEN
18. Containment/cleanup actions and plans:
CONSULTANT ON SITE
19. Weather: ☐ sunny ☐ overcast ☐ night
☐ ptly. cldy. ☐ rain ☐ snow
Temp. F wind dir. speed mph.
20. Responsible Party: #3
Contact person: #1
Phone #: #2
Mailing address: PO BOX 8 HARTFORD IL
62048
- Notifications: LEPA/IDPH/REG 8 FAX
- On scene
☐ Fire
☐ Sheriff
☐ Police
☐ ESDA
☐ Other